

THE UNITED STAYIES OF ANTERIOA

TO ALL TO WHOM THESE: PRESENTS: SHALL, COME:

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MICCENS, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE LIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR ORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT ABY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

WHEAT, COMMON

'Blade'

In Certimonn Mucrest, I have hereunto set my hand and caused the seal of the Hunt Hariety Frotestion Office to be affixed at the City of Washington, D.C. this seventh day of April, in the year two thousand and eight.

Attest:

Berzin

Commissioner Plant Variety Protection Office Agricultural Marketing Service Socreta Ariculture

Owner(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.

SEMATURE OF OWNER HOS		SIGNATURE OF OWNER Wall R. Clark	for WestBred, UC	
NAME (Please print or Unit) Gregory J. Fox		Dale R. Clark	0	
CAPACITY OR TITLE Special Projects Breeder	May 30, 2007	Director of Research	Jan. 9, 2008	

GENERAL INSTRUCTIONS: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E, F; (3) for a tuber reproduced variety, verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository tand (4) pagine of by credit and or check drawn on a U.S. bank for \$4,382 (\$518 filing fee and \$3,864 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice). NEW: With the application for a seed reproduced variety or by direct deposit soon after filing, the applicant must provide at least 3,000 viable untreated seeds of the variety per se, and for a hybrid variety at least 3,000 untreated seeds of each line necessary to reproduce the variety. Partial applications will be held in the PVPO for not more than 90 days; then returned to the applicant as un-filed. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a payment by credit card or check payable to "Treasurer of the United States" in the amount of \$768 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. The fees for filing a change of address; owner's representative; ownership or assignment; or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

Plant Variety Protection Office

Telephone: (301) 504-5518 FAX: (301) 504-5291

General E-mail: PVPOmail@usda.gov

Homepage: http://www.ams.usda.gov/science/pvpo/PVPindex.htm

SPECIFIC INSTRUCTIONS:

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority and **provide evidence** that the permanent name of the application variety (even if it is a parental, inbred line) has been cleared by the appropriate recognized authority before the Certificate of Protection is issued. For example, for agricultural and vegetable crops, contact: U.S. Department of Agriculture, Agricultural Marketing Service, Livestock and Seed Programs, **Seed Regulatory and Testing Branch**, 801 Summit Crossing Place, Suite C, Gastonia, North Carolina 28054-2193 Telephone: (704) 810-8870. http://www.ams.usda.gov/lsg/seed.htm.

ITEM

19a. Give:

- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
- (2) the details of subsequent stages of selection and multiplication;
- (3) evidence of uniformity and stability; and
- (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 19b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
 - (1) identify these varieties and state all differences objectively;
 - (2) attach replicated statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 19c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 19d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 19e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
- 20. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
- 23. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
- 24. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.
- 22. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)
- 23. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)
- 24. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

"Blade" Hard Red Spring Wheat

Exhibit A. Origin and Breeding History

Blade, tested as CA905-750, is a hard red spring wheat developed by WestBred LLC and derived from a cross of "Knudson" x "Alsen" made in 2002. The F₁, F₂ and F₃ seed generations were produced as a bulk in growth chambers with general selection for agronomically attractive plants (sturdy, high yielding spikes with hard vitreous seed). The F₃ bulk was then planted at Fisher, MN in the summer of 2003 and individual plant selections were made based on agronomic traits and general resistance to the prevalent diseases which included leaf rust, Septoria tritici, tan spot and Fusarium head blight. F₄ seed from these selections was advanced in growth chambers in September to October of 2003 and F₄ heads (F₅ seed) were advanced and evaluated as head rows in Yuma, AZ in the winter of 2003-2004. CA905-750 was a single F₅ plant selected from an outstanding F₄ head row. CA905-750 was increased and evaluated in an observation nursery in Casselton, ND in 2004 as a single 10ft x 5ft F₆ plot. In the summer of 2005 it was advanced to the $F_7\,$ as a 5ft x 20ft bulk plot. The $F_8\,$ generation was advanced on 1/5 of an acre at Yuma AZ during the winter of 2005-2006 yielding 14 bu of Breeder Seed, which was planted on 7 acres in Casselton, ND in the summer of 2006 as an F₉ Seed increase yielding 350 bu of Breeder Seed for Foundation Seed increase in 2007.

Blade has been evaluated for yield, quality, standability, general agronomics, and disease resistance in company trials in ND, MN, and SD (Table1). Also, it has been evaluated for Fusarium Head Blight Resistance in the USDA Uniform Regional Scab

Nursery in 2006 (Table 2). Blade has been found to be well adapted to the North Central Region. Quality of Blade is good based on test weight, protein content and flour SDS Sedimentation values (Table 1). Blade has been observed for 4 generations of increase and testing and is uniform and stable. Blade may contain a tall variant that is 10 to 20 cm taller than the general population at a frequency of 0.1% in Foundation Seed production fields, and up to 0.5% may be observed in subsequent generations.

Table 1. Paired Comparisons of Blade (CA905-750) in ND, MN, and SD Environments from 2004-2006

Variety	Heading	Height	Leaf Rust	Foliar Disease ¹	Stem Rust	Scab ²	Protein	Sed³	Test Weight	Yield	Falling
	days after 6-1	cm	1-74	1-74	1-74	%	%	mm	nq/q	e/nq	Sec
Blade	24.0	82.7	2.8	3.0	1.0	-	14.8	113.4	63.2	62.4	7050
Knudson	24.0	80.6	0.	2.0	10	3.3	47.5	1710	20.5	95.5	100.0
000	0.7	ı		?i	2	5.0	2.4	0.71	7.10	03.2	504.0
LUCS.	2	n	4	_	2	ဗ	10	10	10	10	-
Reps	40	20	16	4	80	9	10	10	10	40	,
Prob.	0.9896	0.1951	0.2351	t	1.0000	0.1879	0.0925	0,0016	0.0002	0.5788	-

Slade	23.8	82.7	2.8	3.0	1.0	1.6	14.8	113.0	63.0	610	485.0
Granite	26.6	81.9	3.5	4.0	1.0	7.9	15.7	99.7	61.9	57.7	409.0
Locs.	11		2	-	2	4	=	11	1	=	2 -
Seps	44	20	20	4	80	œ	-	-	= =	- 77	
Prob.	<0.0001	0.4803	0.1836	•	1.0000	0.3154	0.0011	<0.000	0 1361	0.1130	-

485 N		!		
485	452.0	_	\	
62.3	61.9	9	40	0.7814
62.9	62.3	10	10	0.0910
113.2	116.2	10	10	0.0142
14.7	15.2	10	10	0.0061
1.6	2.7	4	&	0.0540
1.0	1.0	2	. ω	1.0000
3.0	4.0	1	4	1
2.3	3.5	4	16	0.1942
81.7	84.1	4	16	0.1503
25.0	23.9	10	40	0.0110
Blade	Alsen	Locs.	Reps	Prob.

Blade	32.5	85.7	2.0	3.0	1.0	1.5	15.6	107.0	61.8	72.3	
Sumai-3	32.0	90.2	5.5	5.0	0.9	0.2	14.0	51.0		58,3	ı
Locs.	2	2	2	_	2	2			-	2	
Reps	8	∞	&	4	80	4	1	_		00	•
Prob.	0.5000	0.3949	0:9030		0.0064	0.5000	-			0.3909	,

¹Foliar disease typically included tan spot and Septoria tritici.
^{2%} of visually scabby kernels (VSK).
³Flour SDS sedimentation value, a measure of gluten strength. Values of 110 and above indicate good baking quality.
⁴Disease rating scored 1=resistant to 7=susceptible.

#200800075

Table 2. 2006 Uniform Regional Scab Nursery for Spring Wheat Parents, Means and Ranks Across Locations.*

	Incidence %	Incidence Rank	Severity %	Severity – Rank	Disease Index	Disease Index -Rank	VSK % ª	VSK Rank	DON ppm	DON Rank
Line	<u>≛</u> 2									
No. of Locations		2	2	2	3	3	3	3	2	2
2375	90.0	20	22.8	22	28.5	27	28.9	31	7.3	27
Wheaton	100.0	31	60.5	35	55.0	33	61.1	35	14.3	35
Bacup**	81.7	11	23.1	23	25.9	23	11.7	18	3.9	13
Oslo	99.2	29	51.8	30	54.2	32	46.3	34	8.2	31
ND2710**	68.3	6	10.2	3	15.7	16	8.5	8	3.4	10
Rugby	100.0	31	59.7	34	59.7	35	42.5	33	8.4	32
SD3934	70.8	8	8.5	1	10.0	6	4.9	3	2.7	7
SD4041	90.8	21	17.5	16	11.2	7	8.8	10	2.3	6
SD4042	95.8	25	34.8	29	39.3	30	7.8	7	7.9	29
SD4059	70.0	7	13.5	7	15.2	13	9.3	13	3.0	8
SD4066	97.5	28	26.4	27	26.3	24	13.9	23	5.9	22
MN00209-3-1	59.2	3	9.9	2	6.9	1	6.0	6	2.1	5
MN00261-4	88.3	16	26.3	26	23.6	22	9.2	12	4.4	16
MN01311-A-1	96.7	26	18.8	18	21.9	21	10.7	17	6.3	25
MN02222-1	81.7	11	11.7	5	8.9	4	5.8	5	1.8	3
MN02268-A-4	93.3	24	18.9	19	17.6	19	17.4	26	5.1	19
M05/1-14	60.8	4	11.8	6	8.4	2	5.2	4	1.0	1
M05/1-15	75.8	9	10.9	4	8.4	2	3.8	- 1	3.0	8
M05/1-16	89.2	18	17.9	17	16.4	17	13.7	22	6.0	24
M05/1-17	64.2	5	13.6	8	9.7	5	10.0	15	3.8	. 11
M05/1-18	85.8	14	16.6	12	14.4	10	12.5	20	5.9	22
NDSW0430	91.7	22	17.3	15	15.2	13	11.8	19	5.0	18
00S0244-23	82.5	13	17.0	14	13.2	8	24.4	28	7.1	26
00S0251-6	86.7	15	15.8	11	15.6	15	9.3	13	3.9	13
00S0327-18	88.3	16	14.7	9	21.6	20	15.5	25	5.3	20
01S0380-18	99.2	29	26.1	25	27.9	26	26.9	30	7.4	28
BW357	96.7	26	25.1	24	27.3	25	13.0	21	3.8	11
05M SP5	89.2	18	27.0	28	30.9	28	10.4	16	7.9	29
CA905-753	54.2	1	21.3	21	14.6	11	14.7	24	1.5	2
CA905-754	57.5	2	16.6	12	14.0	9	4.0	2	2.0	4
CA-905-755	80.8	10	21.0	20	14.9	12	9.0	11	4.7	17
CA-905-750 13(a)4	91.7	22	15.4	10	17.2	18	8.7	9	3.9	13
CA803-737	100.0	31	56.5	32	46.6	31	21.6	27	10.1	34
DG013141	100.0	31	57.0	33	33.5	29	24.5	29	5.7	21
DG012166	100.0	31	56.2	31	57.3	34	32.8	32	9.6	33
Mean	85.1		24.9		23.6		16.1		5.3	

^{*}Taken from Table 5. 2006 Uniform Regional Scab Nursery for Spring Wheat Parents.

^{**} Bacup and ND2710 are considered relatively resistant checks.

^a For purposes of this table, VSK, FDK and Tombstone % were considered to be approximately equal for purposes of obtaining means across locations.

Exhibit B. Statement of Distinctness

Blade is most similar to the variety Knudson but differs in the following aspects.

- 1) Glumes and awns of Blade are tan in color at maturity; Knudson's glumes and awns are white.
- 2) Blade has glumes with square shoulders and short acute beaks; Knudson has glumes with oblique shoulders and medium long acuminate beaks (Figure 1).

The above comparisons, along with the complete Objective Description (Exhibit C) show Blade to be a novel variety of hard red spring wheat.



Figure 1. Comparison of Blade and Knudson Glumes.

REPRODUCE LOCALLY. Include form number and date on all reproductions.

Form Approved OMB NO 0581-005:

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 2.5 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY PLANT VARIETY PROTECTION OFFICE BELTSVILLE, MD 20705 Exhibit C

OBJECTIVE DESCRIPTION OF VARIETY Wheat (Triticum spp.)

	Wheat (7	<i>Friticum</i> spp.	a)		
NAME OF APPLICANT (S) WestBred LLC	TEMPORARY OR EXPERIMENTAL CA905-750	ENTAL DESIGNATION	VARIET Bl.a	Y NAME de	
ADDRESS (Street and No. or RD No., City, State, Zip Code as	nd Country)		FOR O	FICIAL USE ONLY	
81 Timberline drive	•			IUMBER	
Bozeman, MT 59718-8184			# 2	00800	0 7 5
PLEASE READ ALL INSTRUCTIONS CAREFU	LLY:			· .	<u>. </u>
Place the appropriate number that describes the	varietal character of this varie	ty in the boxes belo	w. Place a zero in	the first box (e.g., 0	9 9 or 0 9)
when number is either 99 or less or 9 or less resp	ectively. Data for quantitative	e plant characters s	hould be based on	a minimum of 100 plan	ts. Comparative data
should be determined from varieties entered in th	e same trial. Royal Horticultu	ral Society or any r	ecognized color sta	ndard may be used to	determine plant colors
designate system used:	, Ple	ase answer all que	stions for your varie	ty; lack of response ma	y delay progress of
your application.					
1. KIND:	·	2. VERNALIZ	ATION:		
1 = Common 2 = Durum 3 = Club 4 = Other (Specify)		2	= Spring = Winter = Other (Specify) _		
3. COLEOPTILE ANTHOCYANIN: 1 = Absent 2 = Pres	ent	4. JUVENILE	PLANT GROWTH:	2 = Semi-Erect	3 = Erect
5. PLANT COLOR: (boot stage)		6. FLAG LEA	F: (boot stage)	<u> </u>	*****
2 1 = Yellow-Green		1 1	= Erect	2 = Recurved	
2 = Green 3 = Blue-Green		2 1	= Not Twisted	2 = Twisted	•
		2 1	= Wax Absent	2 = Wax Present	
7. EAR EMERGENCE: (Days after June	1)				
0 2 4 Number of Days (Average)					
Number of Days Earlier Than	*			<u> </u>	
Same As	* Knudson				
Number of Days Later Than	* *Relative to a PVPO-Approv	rad Cammaraial Va	ich Crown in the S	omo Trial	
	Neialive to a FVFO-Approv	eu Commerciai vai	iety Grown in the S	ame mai	
8. ANTHER COLOR: 1 1 = Yellow 2 = Purple					

	ANT HEIGHT: (from soil to top of head, excluding awns)			
	8 3 cm (Average)		#200800075	
	cm Taller Than <u>Knudson</u>		*	
	Same As		*	
	cm Shorter Than		*	
10. ST	EM:			
Α.	ANTHOCYANIN		D. INTERNODE	
1	1 = Absent 2 = Present		1 1 = Hollow 2 = Semi-Solid 3 = Solid	
			3 Number of Nodes	
В.	WAXY BLOOM		E. PEDUNCLE	
2	1 = Absent 2 = Present		3 1 = Erect 2 = Recurved 3 = Semi-Erect 2 7 cm Length	
C.	HAIRINESS (last internode of rachis)		F. AURICLE	
2	1 = Absent 2 = Present		Anthocyanin: 1 = Absent 2 = Present	
	2 V 1000 II.			
			Hair: 1 = Absent 2 = Present	
11. HE	AD: (At Maturity)			
, A.	DENSITY		C. CURVATURE	
2	1 = Lax 2 = Middense (Laxidense) 3 = Dense		2 1 = Erect 2 = Inclined 3 = Recurved	
В.	SHAPE		D. AWNEDNESS	
	1 = Tapering			
	2 = Strap 3 = Clavate		2 = Awnless 2 = Apically Awnletted 3 = Awnletted	
	4 = Other (Specify)	<u> </u>	4 = Awned	
2. GLI	JMES: (At Maturity)			
Α.	COLOR		E. BEAK WIDTH	
2	1 = White		2 1 = Narrow	
	2 = Tan 3 = Other (Specify)	_	2 = Medium 3 = Wide	
В	SHOULDER		F. GLUME LENGTH	
4	1 = Wanting 2 = Oblique		1 = Short (ca. 7 mm)	
	3 = Rounded 4 = Square 5 = Elevated 6 = Apiculate		2 = Medium (ca. 8 mm) 3 = Long (ca. 9 mm)	
	7 = Other (Specify)	-		
C.	SHOULDER WIDTH		G. WIDTH	
1	1 = Narrow 2 = Medium		2 1 = Narrow (ca. 3 mm) 2 = Medium (ca. 3.5 mm)	
	3 = Wide		2 – Medium (ca. 3.5 mm) 3 = Wide (ca. 4 mm)	
D. 1	BEAK		H. PUBESCENCE	
2	1 = Obtuse		1 = Not Present	
ت.	2 = Acute 3 = Acuminate		2 = Present	

13. SEED:						. 45	e e e	- 4	63 sze -	
A. SHAPE		·		E. COLO	R	#2	008	00	07	j
1 = Ovate 2 = Oval 3 = Elliptical					1 = White 2 = Amber 3 = Red 4 = Other (Spec	cify)				
B. CHEEK				F. TEXTL	JRE					
1 = Rounded 2 = Angular	·				1 = Hard 2 = Soft 3 = Other (Spec	oify)			,	
C. BRUSH				G. PHEN	OL REACTION	(See Instr	uctions)			
1 = Short 2 = Medium 3 = Long	1	1 = Not Collared 2 = Collared		بنا	1 = Ivory 2 = Fawn 3 = Light Brown	5 = B	ark Brown lack		Š	
D. CREASE				H. SEED	WEIGHT					
2 = Width 809	% or less of Kernel % or less of Kernel arly as Wide as Kernel			3 3	g/1000 See	ed (whole	number on	ly)		·
2 = Depth 359	% or less of Kernel % or less of Kernel % or less of Kernel			۽ تنا ۽	SIZE 1 = Small 2 = Midsize 3 = Large					
14. DISEASE: PLEA	SE INDICATE THE SPE	•			2-					
2 Stem Rust (Pucc	(0 = Not Tested	•	5	esistant	3 = Intermed		= Tolerant)		
	cinia graminis f. sp. tritici	")	片		(Puccinia recond	•	ritici)			
					ut (<i>Ustilago tritic</i>	· .				
	ophora tritici-repentis)				(Urocystis agroj					
	nophoma donacis) m (Glume Blotch)		H		Bunt (<i>Tilletia triti</i>		VIS)			
	(Speckled Leaf Disease	.			t (Tilletia controv					
2	peckled Leaf Blotch)	7)	Ħ		it (<i>Tilletia indica</i>)		f an tritica			
3 Scab (Fusarium				Snow Mole	lildew (<i>Erysiphe</i>	grammış	i. sp. <i>trider)</i>			
0 "Black Point" (Ke	,			-	us Root Rot (<i>Fusarii</i>	um Cookl	ioholus os	d Dinalari		
<u> </u>	varf Virus (BYDV)				a Root Rot (<i>Rhiz</i>			и ыроган.	s spp.)	
O Soilborne Mosaid			H .		f (Xanthomonas			elucane)		
	pindle Streak) Mosaic Vi	irus			eaf Blight (<i>Pseu</i>				e)	
	osaic Virus (WSMV)				cify)					
Other (Specify)					cify)					
	•				cify)					
					cify)			•		
15. INSECT: (0 = No	ot Tested 1 = Suscep	otible 2 = Resistar	nt 3	3 = Interme	diate 4 = Tol	lerant)				
		PLEASE SPE								
Hessian Fly (<i>May</i>	,			Other (Spec	cify)	.				
Stem Sawfly (Cen				Other (Spec	oify)					
Cereal Leaf Beetle	e (Oulema melanopa)			Other (Spec	cify)					آ م

15. INS	SECT: (continued)	(0 = Not Tested	1 = Susceptible	2 = Resistant	3 = Intermediate	4 = Tok	erant)					
0	Russian Aphid (<i>Di</i>		PLEASE S		(Where Needed) Specify)	#2	0 0	8	0	0 0	7	5
0	Aphids			Other (Specify)							

16. ADDITIONAL INFORMATION ON ANY ITEM ABOVE, OR GENERAL COMMENTS:

REPRODUCE LOCALLY. Include form number and edition date on a	Il reproductions.	ORM APPROVED - OMB No. 0581-0055
U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE EXHIBIT E STATEMENT OF THE BASIS OF OWNERSHIP	Application is required in order to detecertificate is to be issued (7 U.S.C. 24 confidential until the certificate is issued	21). The information is held
1. NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION	3. VARIETY NAME
	OR EXPERIMENTAL NUMBER	
WestBred LLC	CA905-750	Blade
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country)	5. TELEPHONE (Include area code)	6. FAX (Include area code)
81 Timberline Dr.	(406) 587-1218	(406) 586-8247
Bozeman, MT 59718-8184	7. PVPO NUMBER # 2 0 0	800075
	** — -	
Does the applicant own all rights to the variety? Mark an "X" in the Is the applicant (individual or company) a U.S. national or a U.S. to the applicant (individual or company) a U.S. national or a U.S. to the applicant (individual or company) a U.S. national or a U.S. to the applicant (individual or company) a U.S. national or a U.S. to the applicant (individual or company) a U.S. national or a U.S. to the applicant (individual or company) a U.S. national or a U.S. to the applicant (individual or company) a U.S. national or a U.S. to the applicant (individual or company) a U.S. national or a U.S. to the applicant (individual or company) a U.S. national or a U.S. to the applicant (individual or company) a U.S. national or a U.S. to the applicant (individual or company) a U.S. national or a U.S. to the applicant (individual or company) a U.S. national or a U.S. to the applicant (individual or company) a U.S. national or a U.S. to the applicant (individual or company) a U.S. national or a U.S. to the applicant (individual or company) a U.S. national or a U.S. to the applicant (individual or company) a U.S. national or a U.S. to the applicant (individual or company) a U.S. to the applicant (individual or		
10. Is the applicant the original owner? YES	NO If no, please answer one o	
a. If the original rights to variety were owned by individual(s), is YES	(are) the original owner(s) a U.S. Nationa NO If no, give name of country	
b. If the original rights to variety were owned by a company(ies) YES YES), is (are) the original owner(s) a U.S. bas NO If no, give name of country	
	•	
11. Additional explanation on ownership (Trace ownership from original	inal breeder to current owner. Use the re	verse for extra space if needed):
	•	
PLEASE NOTE:		
Plant variety protection can only be afforded to the owners (not licens	sees) who meet the following criteria:	
If the rights to the variety are owned by the original breeder, that p national of a country which affords similar protection to nationals o	erson must be a U.S. national, national of the U.S. for the same genus and specie	f a UPOV member country, or es.
2. If the rights to the variety are owned by the company which employ nationals of a UPOV member country, or owned by nationals of a genus and species.	yed the original breeder(s), the company country which affords similar protection to	must be U.S. based, owned by particular and an articular and the U.S. for the same
3. If the applicant is an owner who is not the original owner, both the	original owner and the applicant must me	eet one of the above criteria.
The original breeder/owner may be the individual or company who did Act for definitions.	rected the final breeding. See Section 4	I(a)(2) of the Plant Variety Protection
According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, control number. The valid OMB control number for this information collection is 0581-0055, including the time for reviewing the instructions, searching existing data sources, gathering a	The time required to complete this information collect	on is estimated to average 0.1 hour per response.
The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and a marital or family status, political beliefs, parental status, or protected genetic information. (Nacommunication of program information (Braille, large print, audiotape, etc.) should contact U	lot all prohibited hases apply to all programs \ Person:	s with disabilities who require alternative means for

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, D.C. 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provide and employer.

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he U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, olitical beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information. Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

o file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD) ISDA is an equal opportunity provider and employer.

> U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY PLANT VARIETY PROTECTION OFFICE BELTSVILLE, MD 20705

EXHIBIT F DECLARATION REGARDING DEPOSIT

NAME OF OWNER (S)	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country)	
74,102 07 07771217 (0)	ADDRESS (Sureet and No. of RD No., City, State, and Zip Code and Colintry)	TEMPORARY OR EXPERIMENTAL DESIGNATION
WestBred LLC	717 14th St. S.	CA905-750
	Fargo, ND 58103	VARIETY NAME
		Blade
NAME OF OWNER REPRESENTATIVE (S)	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country)	FOR OFFICIAL USE ONLY
Dr. Greg Fox	717 14th St. S. Fargo, ND 58103	PVPO NUMBER # 2 0 0 8 0 0 0 7 5

I do hereby declare that during the life of the certificate a viable sample of propagating material of the subject variety will be deposited, and replenished as needed periodically, in a public repository in the United States in accordance with the regulations established by the Plant Variety Protection Office.

May 30, 2007